

***NATIONAL WEATHER SERVICE  
PRODUCT/SERVICE DESCRIPTION DOCUMENT (PDD)  
TYPE: Official Product  
DATE: May 08, 2003***

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WEB PAGE DISSEMINATING MESOSCALE MODEL OUTPUT

## **Part 1 - Mission Connection**

**1. Product/Service Description:**

Local mesoscale model output is posted to the Tucson WFO web page. Standard pressure level fields are available for heights, temperature, wind, RH and vertical velocity. This model output is slightly optimized for southern Arizona weather, and provides a method for customers to examine the same data fields which may be mentioned in the local Area Forecast Discussions (AFDs).

**2. Purpose/Intended Use:**

The purpose of the mesoscale model output products are to provide high resolution numerical model details for southern Arizona.

**3. Audience:**

The main audience are county emergency management officials, commercial radio and television personnel and weather hobbyists.

**4. Presentation Format:**

The mesoscale model output is displayable via a web page. Static images and image loops are available. Presentation in this format occurred due to ease of implementation and ease of accessibility by customers.

**5. Feedback Method:**

Most feedback comes from customer meetings with with WFO personnel. Feedback may also be provided by mail:

Tom Evans or Mike Schaffner  
National Weather Service  
520 N. Park Avenue - Suite 304  
Tucson, AZ 85719  
Phone 520-670-5156

E-mail comments or questions can be sent to [tom.evans@noaa.gov](mailto:tom.evans@noaa.gov) or [erik.pytlak@noaa.gov](mailto:erik.pytlak@noaa.gov).

**6. Example/URL:** <http://www.wrh.noaa.gov/tucson/mm5/mm5tus.shtml>

## Part 2 - Technical

1. **Format and Science Basis:**

The technical limitations of this product are inherent in the parameterizations of the mesoscale model. All the parameterizations are currently developed by the university community as a whole. Therefore, the scientific basis is maintained by the university community, rather than the Tucson WFO.

2. **Availability:**

Model output is posted twice daily. Due to the dissemination mechanisms within the WFO, product reliability is about 80

3. **Additional Information:** N/A